

ABSTRACT OF THE DISCLOSURE

The present invention is a control method for a data transfer device that comprises: a data receiver for receiving write data for a storage device; a data control unit for transferring the write data received by the data receiver to the storage device; and a data storage unit for storing serial data that is stored in a storage area of the storage device. The data control unit reads the serial data from the storage device in block units and stores this serial data in the data storage unit. When a block constituting the write destination of the write data and a block stored in the data storage unit are the same, the data control unit updates the data stored in the data storage unit by means of the write data. When these blocks differ, the data control unit generates security code based on the serial data stored in the data storage unit, and adds the generated security code to the serial data before transferring this serial data to the storage device. The data control unit reads the serial data in the block constituting the write destination of the write data before storing this serial data in the data storage unit, and updates the stored serial data by means of the write data.